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Sequence Listing was accepted.

See attached Validation Report.

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217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2010; month=9; day=22; hr=13; min=35; sec=11; ms=964;]

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Application No: 10594266 Version No: 2.0

Input Set:

Output Set:

Started: 2010-09-14 18:22:07.050
Finished: 2010-09-14 18:22:12.630
Elapsed: 0 hr(s) 0 min(s) 5 sec(s) 580 ms
Total Warnings: 8
Total Errors: 3
No. of SeqIDs Defined: 74
Actual SeqID Count: 74

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (67)
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E 257	Invalid sequence data feature in <221> in SEQ ID (74)

SEQUENCE LISTING

<110> ICHINOSE, MASAKAZU
OGAWA, HIROMASA
TOMAKI, MASAFUMI
UNO, YUMIKO
FURUSAWA, MAKOTO
MATSUMOTO, TATSUMI

<120> PREVENTIVE/REMEDY FOR RESPIRATORY DISEASES

<130> 66314(46342)

<140> 10594266

<141> 2010-09-14

<150> PCT/JP2005/006444

<151> 2005-03-25

<150> JP 2004-092064

<151> 2004-03-26

<160> 74

<170> PatentIn version 3.5

<210> 1

<211> 816

<212> DNA

<213> Homo sapiens

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<211> 272

<212> PRT

<213> Homo sapiens

<400> 2

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Gln Leu Phe Leu Gln Pro Leu Trp Asp His Leu Arg Ser Trp Glu Ala
20 25 30

Leu Leu Gln Ser Pro Phe Phe Pro Val Ile Phe Ser Ile Thr Thr Tyr
35 40 45

Val Gly Phe Cys Leu Pro Phe Val Val Leu Asp Ile Leu Cys Ser Trp
50 55 60

Val Pro Ala Leu Arg Arg Tyr Lys Ile His Pro Asp Phe Ser Pro Ser
65 70 75 80

Ala Gln Gln Leu Leu Pro Cys Leu Gly Gln Thr Leu Tyr Gln His Val
85 90 95

Met Phe Val Phe Pro Val Thr Leu Leu His Trp Ala Arg Ser Pro Ala
100 105 110

Leu Leu Pro His Glu Ala Pro Glu Leu Leu Leu Leu Leu His His Ile
115 120 125

Leu Phe Cys Leu Leu Leu Phe Asp Met Glu Phe Phe Val Trp His Leu
130 135 140

Leu His His Lys Val Pro Trp Leu Tyr Arg Thr Phe His Lys Val His
145 150 155 160

His Gln Asn Ser Ser Ser Phe Ala Leu Ala Thr Gln Tyr Met Ser Val
165 170 175

Trp Glu Leu Phe Ser Leu Gly Phe Phe Asp Met Met Asn Val Thr Leu
180 185 190

Leu Gly Cys His Pro Leu Thr Thr Leu Thr Phe His Val Val Asn Ile
195 200 205

Trp Leu Ser Val Glu Asp His Ser Gly Tyr Asn Phe Pro Trp Ser Thr
210 215 220

His Arg Leu Val Pro Phe Gly Trp Tyr Gly Gly Val Val His His Asp
225 230 235 240

Leu His His Ser His Phe Asn Cys Asn Phe Ala Pro Tyr Phe Thr His
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Trp Asp Lys Ile Leu Gly Thr Leu Arg Thr Ala Ser Val Pro Ala Arg
260 265 270

<210> 3

<211> 924

<212> DNA

<213> Homo sapiens

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gaggacctgc taaccaggct gcgggccaac cagagctggg aagattcgaa caccgacctc	240
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924

<210> 4

<211> 308

<212> PRT

<213> Homo sapiens

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20 25 30

Ala Glu Ala Ser Arg Ala Ser Phe Pro Gly Pro Ser Glu Leu His Ser
35 40 45

Glu Asp Ser Arg Phe Arg Glu Leu Arg Lys Arg Tyr Glu Asp Leu Leu
50 55 60

Thr Arg Leu Arg Ala Asn Gln Ser Trp Glu Asp Ser Asn Thr Asp Leu
65 70 75 80

Val Pro Ala Pro Ala Val Arg Ile Leu Thr Pro Glu Val Arg Leu Gly
85 90 95

Ser Gly Gly His Leu His Leu Arg Ile Ser Arg Ala Ala Leu Pro Glu
100 105 110

Gly Leu Pro Glu Ala Ser Arg Leu His Arg Ala Leu Phe Arg Leu Ser
115 120 125

Pro Thr Ala Ser Arg Ser Trp Asp Val Thr Arg Pro Leu Arg Arg Gln
130 135 140

Leu Ser Leu Ala Arg Pro Gln Ala Pro Ala Leu His Leu Arg Leu Ser
145 150 155 160

Pro Pro Pro Ser Gln Ser Asp Gln Leu Leu Ala Glu Ser Ser Ser Ala
165 170 175

Arg Pro Gln Leu Glu Leu His Leu Arg Pro Gln Ala Ala Arg Gly Arg
180 185 190

Arg Arg Ala Arg Ala Arg Asn Gly Asp His Cys Pro Leu Gly Pro Gly
195 200 205

Arg Cys Cys Arg Leu His Thr Val Arg Ala Ser Leu Glu Asp Leu Gly
210 215 220

Trp Ala Asp Trp Val Leu Ser Pro Arg Glu Val Gln Val Thr Met Cys
225 230 235 240

Ile Gly Ala Cys Pro Ser Gln Phe Arg Ala Ala Asn Met His Ala Gln
245 250 255

Ile Lys Thr Ser Leu His Arg Leu Lys Pro Asp Thr Val Pro Ala Pro
260 265 270

Cys Cys Val Pro Ala Ser Tyr Asn Pro Met Val Leu Ile Gln Lys Thr
275 280 285

Asp Thr Gly Val Ser Leu Gln Thr Tyr Asp Asp Leu Leu Ala Lys Asp
290 295 300

Cys His Cys Ile
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<210> 5

<211> 621

<212> DNA

<213> Homo sapiens

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cagagcttcc tgetcaagtg cttagagcaa gtgaggaaga tccagggcga tggcgcagcg 180

ctccaggaga agctggtgag tgagtgtgcc acctacaagc tgtgccaccc cgaggagctg 240

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gcctgcagc tggcaggctg cttgagccaa ctccatagcg gccttttct ctaccagggg 360

ctcctgcagg ccctggaagg gatctcccc gagttgggtc ccaccttga cacactgcag 420

ctggacgtcg cagactttgc caccaccatc tggcagcaga tggaagaact gggaatggcc 480

cctgccctgc agcccacca gggtgccatg ccggccttcg cctctgcttt ccagcgcgg 540

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<210> 6

<211> 207

<212> PRT

<213> Homo sapiens

<400> 6

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Leu Leu Leu Trp His Ser Ala Leu Trp Thr Val Gln Glu Ala Thr Pro
20 25 30

Leu Gly Pro Ala Ser Ser Leu Pro Gln Ser Phe Leu Leu Lys Cys Leu
35 40 45

Glu Gln Val Arg Lys Ile Gln Gly Asp Gly Ala Ala Leu Gln Glu Lys
50 55 60

Leu Val Ser Glu Cys Ala Thr Tyr Lys Leu Cys His Pro Glu Glu Leu
65 70 75 80

Val Leu Leu Gly His Ser Leu Gly Ile Pro Trp Ala Pro Leu Ser Ser
85 90 95

Cys Pro Ser Gln Ala Leu Gln Leu Ala Gly Cys Leu Ser Gln Leu His
100 105 110

Ser Gly Leu Phe Leu Tyr Gln Gly Leu Leu Gln Ala Leu Glu Gly Ile
115 120 125

Ser Pro Glu Leu Gly Pro Thr Leu Asp Thr Leu Gln Leu Asp Val Ala
130 135 140

Asp Phe Ala Thr Thr Ile Trp Gln Gln Met Glu Glu Leu Gly Met Ala
145 150 155 160

Pro Ala Leu Gln Pro Thr Gln Gly Ala Met Pro Ala Phe Ala Ser Ala
165 170 175

Phe Gln Arg Arg Ala Gly Gly Val Leu Val Ala Ser His Leu Gln Ser
180 185 190

Phe Leu Glu Val Ser Tyr Arg Val Leu Arg His Leu Ala Gln Pro
195 200 205

<210> 7
<211> 696
<212> DNA
<213> Homo sapiens

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acctatgtgc ccaccgtgtt cgaaaattac acagcctgtt tggagacaga ggaacagagg 180
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<210> 8
<211> 232
<212> PRT
<213> Homo sapiens

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Val Leu Val Gly Asp Val Gln Cys Gly Lys Thr Ala Met Leu Gln Val
20 25 30

Leu Ala Lys Asp Cys Tyr Pro Glu Thr Tyr Val Pro Thr Val Phe Glu
35 40 45

Asn Tyr Thr Ala Cys Leu Glu Thr Glu Glu Gln Arg Val Glu Leu Ser
50 55 60

Leu Trp Asp Thr Ser Gly Ser Pro Tyr Tyr Asp Asn Val Arg Pro Leu
65 70 75 80

Cys Tyr Ser Asp Ser Asp Ala Val Leu Leu Cys Phe Asp Ile Ser Arg
85 90 95

Pro Glu Thr Val Asp Ser Ala Leu Lys Lys Trp Arg Thr Glu Ile Leu
100 105 110

Asp Tyr Cys Pro Ser Thr Arg Val Leu Leu Ile Gly Cys Lys Thr Asp
115 120 125

Leu Arg Thr Asp Leu Ser Thr Leu Met Glu Leu Ser His Gln Lys Gln
130 135 140

Ala Pro Ile Ser Tyr Glu Gln Gly Cys Ala Ile Ala Lys Gln Leu Gly
145 150 155 160

Ala Glu Ile Tyr Leu Glu Gly Ser Ala Phe Thr Ser Glu Lys Ser Ile
165 170 175

His Ser Ile Phe Arg Thr Ala Ser Met Leu Cys Leu Asn Lys Pro Ser
180 185 190

Pro Leu Pro Gln Lys Ser Pro Val Arg Ser Leu Ser Lys Arg Leu Leu
195 200 205

His Leu Pro Ser Arg Ser Glu Leu Ile Ser Ser Thr Phe Lys Lys Glu
210 215 220

Lys Ala Lys Ser Cys Ser Ile Met
225 230

<210> 9

<211> 744

<212> DNA

<213> Homo sapiens

<400> 9

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cgaaacctgc tctcagtagc ctataagaac gtggtgggcg gccagagggc tgcttgagg 180

gtgctgtcca gtattgagca gaaaagcaac gaggagggct cggaggagaa ggggcccag 240
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<211> 248

<212> PRT

<213> Homo sapiens

<400> 10

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 20 25 30

Gly Glu Glu Leu Ser Cys Glu Glu Arg Asn Leu Leu Ser Val Ala Tyr
 35 40 45

Lys Asn Val Val Gly Gly Gln Arg Ala Ala Trp Arg Val Leu Ser Ser
 50 55 60

Ile Glu Gln Lys Ser Asn Glu Glu Gly Ser Glu Glu Lys Gly Pro Glu
 65 70 75 80

Val Arg Glu Tyr Arg Glu Lys Val Glu Thr Glu Leu Gln Gly Val Cys
 85 90 95

Asp Thr Val Leu Gly Leu Leu Asp Ser His Leu Ile Lys Glu Ala Gly
 100 105 110

Asp Ala Glu Ser Arg Val Phe Tyr Leu Lys Met Lys Gly Asp Tyr Tyr

115

120

125

Arg Tyr Leu Ala Glu Val Ala Thr Gly Asp Asp Lys Lys Arg Ile Ile
 130 135 140

Asp Ser Ala Arg Ser Ala Tyr Gln Glu Ala Met Asp Ile Ser Lys Lys
 145 150 155 160

Glu Met Pro Pro Thr Asn Pro Ile Arg Leu Gly Leu Ala Leu Asn Phe
 165 170 175

Ser Val Phe His Tyr Glu Ile Ala Asn Ser Pro Glu Glu Ala Ile Ser
 180 185 190

Leu Ala Lys Thr Thr Phe Asp Glu Ala Met Ala Asp Leu His Thr Leu
 195 200 205

Ser Glu Asp Ser Tyr Lys Asp Ser Thr Leu Ile Met Gln Leu Leu Arg
 210 215 220

Asp Asn Leu Thr Leu Trp Thr Ala Asp Asn Ala Gly Glu Glu Gly Gly
 225 230 235 240

Glu Ala Pro Gln Glu Pro Gln Ser
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<210> 11

<211> 819

<212> DNA

<213> Homo sapiens

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ctggacatgc ccctgtgtc ctatgatgtc cagctgctgc attcatggaa caacaacgac 180

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gcccagagca cggacgctat caggggcaaa gtcgggtata cccgtgggct gcacgtgtgg 300

cagatcacgt gggccatgag acagcggggc acacacgccg tgggtgggggt ggcgacggca 360

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